Scan to BIM in Las Vegas: Building the Future on Existing Foundations

Precision documentation solutions for Las Vegas's most iconic resorts, casinos, and commercial developments.

The Las Vegas Landscape: A Unique Challenge

Hospitality & Entertainment Hub

Las Vegas is a global center for hospitality, commercial development, and themed entertainment – home to some of the world's most architecturally complex structures.

Renovation Demands

Iconic resorts require precise, reliable documentation for renovations and expansions – **where even small inaccuracies can cascade into major project failures.**

Traditional Methods Fall Short

Manual measurements and outdated plans simply cannot capture the intricate geometry and complex MEP systems of these landmark properties.

THE CORE PROBLEM

Outdated Plans, Costly Mistakes

Relying on old blueprints or manual measurements in complex environments **like casinos and hotels creates serious risk**:

Costly Rework

Errors discovered mid-construction lead to expensive corrections and lost time on the job site.

Inaccurate Integration

New designs fail to align with true as-built conditions, causing clashes between systems.

Delays & Budget Overruns

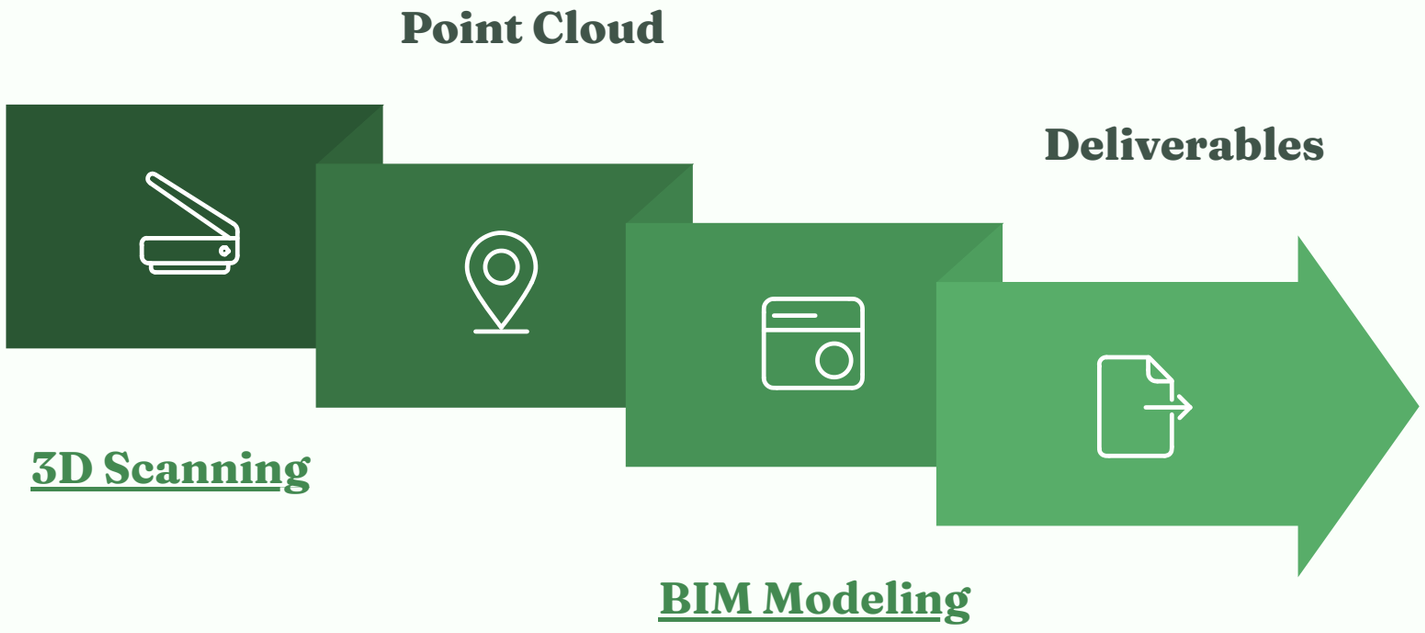
Unplanned surprises derail schedules and inflate project costs significantly.

THE SOLUTION

Scan to BIM — Precision Redefined

Scan to BIM leverages advanced technologies like **LiDAR** and **photogrammetry** to capture existing conditions with millimeter-level accuracy – **then converts that raw reality into intelligent, actionable BIM models in Revit and AutoCAD.**

How Scan to BIM Works: A Digital Twin of Reality

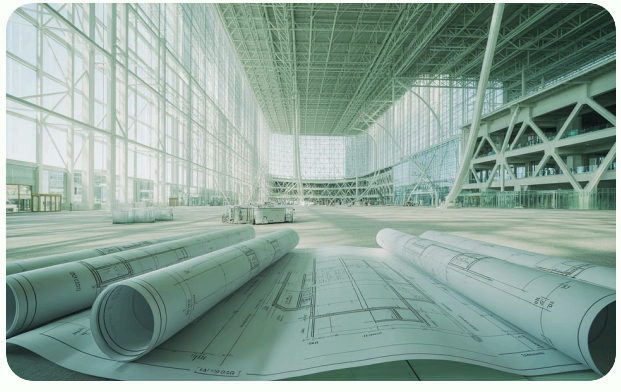


This end-to-end process transforms physical buildings into fully intelligent digital models – enabling every stakeholder to work from a single, trusted source of truth.

Transforming Las Vegas Projects: Real-World Impact

Hospitality Renovations

The renovation of spaces within the **Arboretum Hotel** and **Homewood Suites franchise** leveraged advanced Scan to BIM workflows to ensure precise coordination of architectural, millwork, lighting, and MEP systems. By capturing accurate as-built conditions through high-resolution laser scanning, project teams were able to develop detailed BIM models that supported seamless renovation planning and execution.



Commercial Development

Large-scale commercial developments–ranging from office complexes and mixed-use buildings to resorts, entertainment venues, and convention centers–demand a high level of precision, coordination, and strategic planning. In such complex environments, **accurate as-built documentation** becomes a critical foundation for successful project execution.

Key Benefits for Las Vegas AEC Professionals

Unmatched Accuracy

Millimeter-level precision across all architectural, structural, and MEP systems.

Reduced Errors & Rework

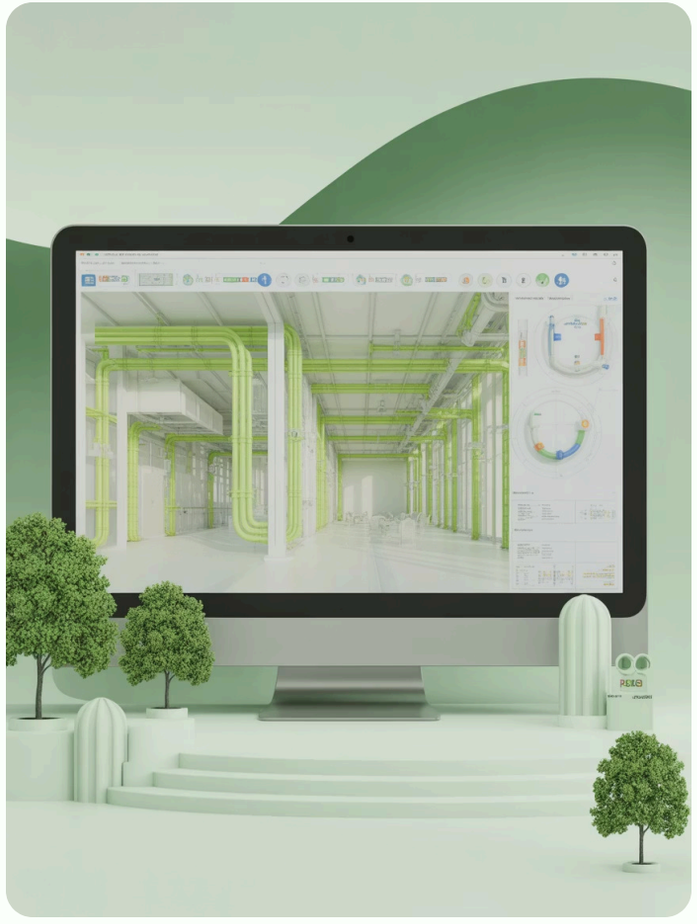
Uncover true as-built conditions before construction begins – eliminating costly surprises.

Streamlined Coordination

Architects, designers, and contractors share one accurate digital environment for seamless collaboration.

Time & Cost Savings

Faster design decisions, fewer site visits, and smoother renovation workflows from day one.



From Guesswork to Precision.

The shift from hand-drawn plans to intelligent BIM models eliminates ambiguity – replacing assumptions with data-driven confidence at every stage of your project.

BEYOND RENOVATION

Digital Twins & Facility Management

Scan to BIM extends its value far beyond the construction phase. Accurate as-built models become living assets that serve your building throughout its entire lifecycle.

Ongoing Facility Management

As-built BIM models support maintenance planning, space utilization, and infrastructure upgrades.

Real-Time Digital Twins

Operational digital twins enable real-time monitoring, predictive maintenance, and efficiency optimization.

Historic Preservation

Detailed documentation protects and preserves the architectural heritage of Las Vegas's landmark properties.

Leading Scan to BIM Providers in Las Vegas

Tejjy Inc. Workshop

Serving hospitality, commercial development, and themed entertainment with high-resolution reality capture and custom BIM deliverables.

LiDAR Precise Plans

Specialists in hospitality renovations with proven project experience at **Arboretum Hotel**, **Home Wood Suites Franchise**, and The Cosmopolitan.

Existing Conditions

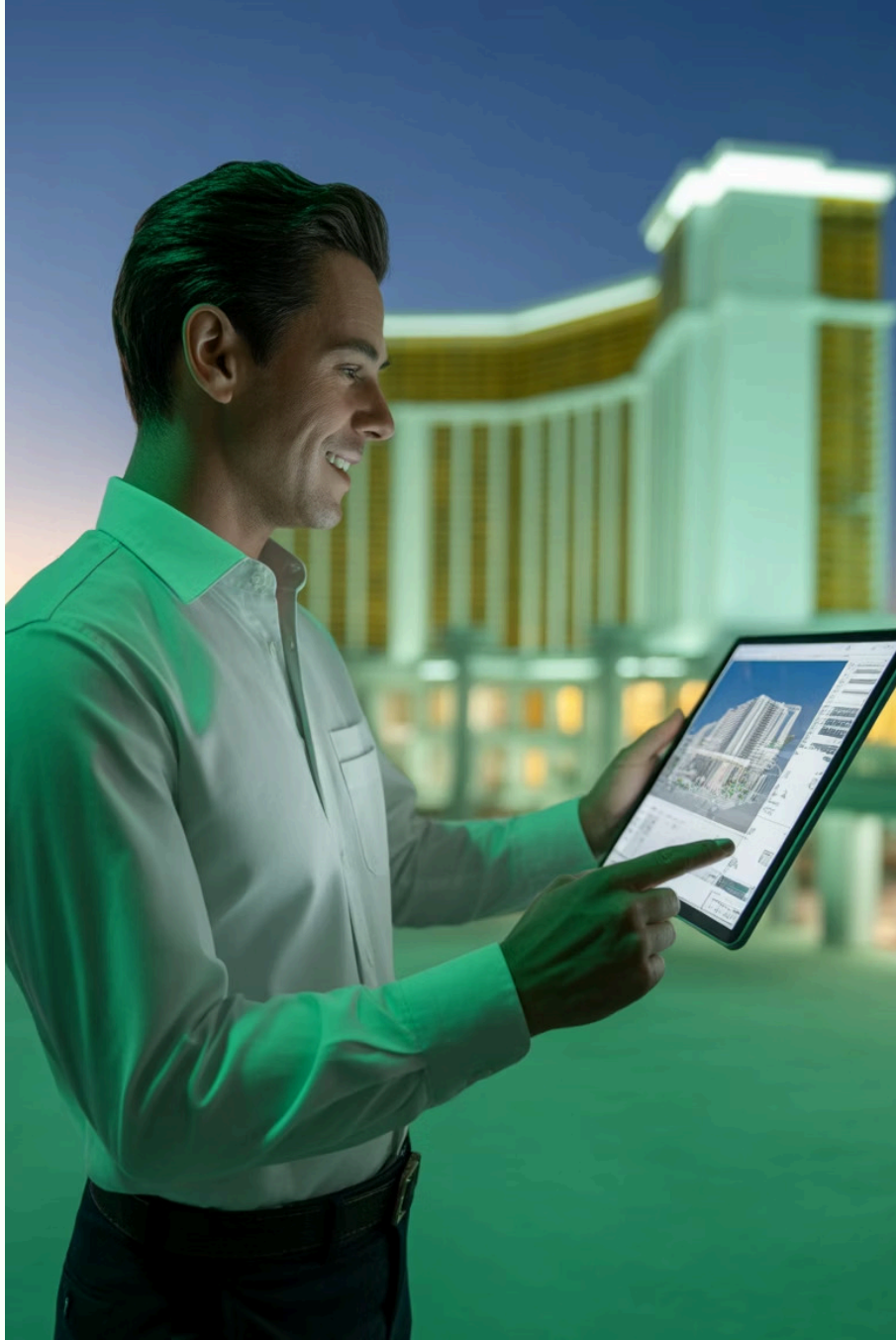
Over **27 years** of experience documenting more than **10,000 buildings** – from luxury resorts to data centers.

ScanM2

Professional as-built drawings powered by advanced laser scanning for residential, commercial, and hospitality property types.

The Future is Built on Accurate Data

Scan to BIM is no longer a luxury – it is a **strategic necessity** for complex projects in Las Vegas. It empowers informed decision-making, reduces project risk, and drives efficiency across the entire building lifecycle, from initial design through long-term operations.



GET STARTED

Partner with Precision: Elevate Your Las Vegas Project

🏗️ Renovations & Expansions

Ensure design accuracy and eliminate costly rework on your next Las Vegas renovation or resort expansion project.

⏱️ Save Time & Money

Reduce site visits, speed up design decisions, and keep your project on schedule and within budget.

🎯 Build with Confidence

Embrace Scan to BIM and gain the data-driven foundation to succeed in Las Vegas's demanding, fast-moving market.